

Title (en)
WATER VAPOR OBSERVATION DEVICE

Title (de)
WASSERDAMPFBEOBACHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'OBSERVATION DE VAPEUR D'EAU

Publication
EP 3330700 A1 20180606 (EN)

Application
EP 16830167 A 20160608

Priority
• JP 2015148468 A 20150728
• JP 2016066985 W 20160608

Abstract (en)
The purpose is to reliably calculate a water vapor amount at a given position. A water vapor observing apparatus 1 may be configured to include a transmitting part 2 configured to transmit a first transmission wave and a second transmission wave having different frequencies, a receiving part 2 configured to receive, as reception waves, reflection waves caused by the transmission waves reflected on and returned from a ground surface portion or a water surface after passing through water vapor, and an arithmetic processor 10 configured to calculate an amount of the water vapor in a passing area of the transmission waves based on first reception information generated from a first reception wave obtained from the first transmission wave, and second reception information generated from a second reception wave obtained from the second transmission wave.

IPC 8 full level
G01N 22/04 (2006.01); **G01S 13/95** (2006.01)

CPC (source: EP US)
G01N 22/04 (2013.01 - EP US); **G01S 13/95** (2013.01 - US); **G01S 13/951** (2013.01 - EP); **G01S 13/958** (2013.01 - EP);
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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EP 3330700 A1 20180606; **EP 3330700 A4 20190320**; **EP 3330700 B1 20210224**; JP 6586462 B2 20191002; JP WO2017018062 A1 20180524;
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EP 16830167 A 20160608; JP 2016066985 W 20160608; JP 2017531064 A 20160608; US 201615748063 A 20160608